Mesogenic estradiols

Patent Number: EP0971016
Publication date: 2000-01-12
Inventor(s): COLES HARRY (GB); LEHMANN PETRA (GB); MUSGRAVE BRONJE (GB)
Applicant(s): MERCK PATENT GMBH (DE)
Requested Patent: ☐ EP0971016, B1
Application Number: EP19990112782 19990702
Priority Number(s): EP19990112782 19990702; EP19980112610 19980708
IPC Classification: C09K19/36; C09K19/40
EC Classification: C09K19/36, C09K19/40F, C09K19/40F2
Equivalents:
Cited patent(s): US4316041; DE4234845; EP0773250

Abstract

The invention relates to mesogenic estradiols of formula I wherein R<1>, R<2>, Sp<2>, Y, A<1>, A<2>, Z and m have the meaning given in claim 1, to a liquid crystalline mixture comprising at least one mesogenic estradiol of formula I, to chiral linear, cyclic or crosslinked anisotropic oligomers or polymers obtainable by polymerizing one or more mesogenic estradiol compounds of formula I bearing a polymerizable group or liquid crystalline mixtures comprising such compounds, or by coupling the compounds or mixtures to an oligomer or polymer backbone, and to the use of mesogenic estradiols and mixtures, oligomers or polymers obtainable thereof in optical and electrooptical applications, flexoelectric devices, cosmetics, diagnostics, liquid crystal pigments, decorative and security applications or as chiral dopants.

Data supplied from the **esp@cenet** database - I2